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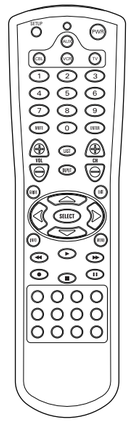
UNIVERSAL ELECTRONICS

CATALYST™ 34

UNIVERSAL REMOTE CONTROL



USER GUIDE

INTRODUCTION

The Catalyst™ 34 by Universal Electronics, Inc. is the complete solution for all of your remote control requirements. It is designed to operate up to four devices with the emphasis on features and functions of your dedicated component(s).

The Catalyst 34 is also customizable to allow for key configurations that meet your specific needs. It's also packed with these features for you to choose from:

- Preprogrammed technology for easy setup
- Designed for use with up to four devices
- Inclusive audio library
- Upgradeability
- Choice of dedicated device(s)
- Custom silk screening
- Custom color system and key definitions

This manual provides a basic overview on how to set up and operate the Catalyst 34. Please read the following instructions to see how easy setup is.

FEATURES AND FUNCTIONS

Use the Key Charts to learn how the Catalyst 34 functions.

Key Charts

○	The LED (red light) blinks to show that the remote control is working and is sending signals.
SETUP ○	Use SETUP for all programming sequences.
PWR	Press PWR once to turn on or off the selected home entertainment component.
AUX CBL VCR TV	Press AUX, CBL, VCR, or TV once to select a home entertainment component to control.
1 2 3 4 5 6 7 8 9 0	Use the keypad (0 ~ 9) to directly select channels (for example, 09 or 31).
MUTE	Press MUTE once to turn sound off or on.
ENTER	Press ENTER once after entering channel numbers on some TV models.
VOL + VOL -	Use VOL + (or VOL -) to raise (or lower) the sound volume.
CH + CH -	Use CH + (or CH -) to select the next higher (or lower) channel.
LAST	Press LAST once to recall the last channel and to page back one screen in the main menu.
INPUT	Press INPUT once to switch the input of the chosen component.
GUIDE	Use GUIDE to display the program guide.
EXIT	Use EXIT to exit out of the selected component's menu or guide.
	Use the cursor keys to move the cursor in the program guide and menu screens.
SELECT	Use SELECT to choose options from your selected component's menu or guide.
INFO	Use INFO to display current channel and program information.
MENU	Press MENU to access the menu of your chosen component.
	Use the transport keys to control your VCR, or CD or DVD player.
○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	Use these keys for specific features on your dedicated components.

INSTALLING BATTERIES

1. On the back of the Catalyst 34, push the tab and lift off the battery cover.
2. Obtain two (2) fully-charged AA alkaline batteries. Match the + and – marks on the batteries to the + and – marks in the battery case, then insert the new batteries.
3. Press the battery cover back into place. The tab should click when the cover is locked.
4. Test the unit by pressing PWR and any mode key (e.g., AUX, CBL, VCR, etc.). If the batteries are inserted correctly, the LED will blink once.

   NOTE: When batteries need replacement, the Catalyst 34 will blink twice with every key press. Simply replace them and the remote control will be restored to its full functionality, including favorite settings.

PROGRAMMING COMPONENT CONTROL

The Catalyst 34 can control up to four different components. Perform the following instructions for each component you want controlled:

NOTE: For TV/VCR Combo control, see the next section.

1. Turn on a component (e.g., VCR) and, if applicable, insert media, (e.g., cassette or disc).

   NOTE: Please read steps 2-4 completely before proceeding. We recommend highlighting or writing down the codes and device you wish to program before moving onto step 2.

2. On the Catalyst 34, press a component key once (i.e., AUX, CBL, VCR, or TV). Press and hold SETUP until the LED blinks twice, then release SETUP.
3. Use the *Manufacturer's Codes* (on the back side) to locate the the type of component and brand name and then enter the first four-digit code for your component. If performed correctly, the LED will blink twice.

   NOTE: If the LED did not blink twice, then repeat steps 2 through 3 and try entering the same code again.

4. Aim the Catalyst 34 at the component and press PWR once. It should turn off. If it does not respond, repeat steps 2-3, trying each code for your brand until you find one that works. If it still does not work, try searching for the code (see *Searching For Your Code*).

   NOTE: If the device does not have a PWR key, press PLAY.

5. Repeat steps 1 through 4 for each component you want the Catalyst 34 to control.

PROGRAMMING TV/VCR COMBO CONTROL

Perform the following instructions to control a TV/VCR Combo:

1. Turn on the TV/VCR Combo and insert a video cassette.

   NOTE: Please read steps 2-4 completely before proceeding. We recommend highlighting or writing down the code for the brand you wish to program before moving onto step 2.

2. On the Catalyst 34, press VCR. Press and hold SETUP until the LED blinks twice, then release SETUP.
3. Use the *Setup Codes For TV/VCR Combos* (on the back side) to locate the brand name and then enter the first four-digit code for your component. If performed correctly, the LED will blink twice.

   NOTE: If the LED did not blink twice, then repeat steps 2 through 3 and try entering the same code again.

4. Aim the Catalyst 34 at the component and press PWR once. It should turn off. If it does not respond, repeat steps 2-3, trying each code for your brand until you find one that works. If it still does not work, try searching for the code (see *Searching For Your Code*).

   NOTE: If the device does not have a PWR key, press PLAY.

5. If you've located a setup code that works, but it has a separate TV code, you'll also need to program it into the Catalyst 34 to access volume control as follows:

   a. Press TV once. The LED will blink twice.

   b. Enter the TV code for your TV/VCR Combo. If correct, the LED will blink twice.

   If there is no separate TV code listed, you will need to perform the following steps to access volume control:

   a. Press and hold SETUP until the LED blinks twice, then release SETUP.

   b. Enter 9 - 9 - 3 . The LED will blink twice.

   c. Press VCR once. The LED will blink twice.

SEARCHING FOR YOUR CODE

If your device does not respond to the Catalyst 34 after trying all codes listed for your brand, or if your brand is not listed at all, try searching for your code. For example, to search for a code for your TV:

1. On the Catalyst 34, press TV once.
2. Press and hold SETUP until the LED blinks twice, then release SETUP.
3. Enter 9 - 9 - 1. The LED will blink twice.
4. Aim the remote control at the the TV and slowly alternate between pressing PWR and TV. Stop when the TV turns off.

   NOTE: In the search mode, the Catalyst 34 will send IR codes from its library to the selected device, starting with the most popular code first.

5. Press SETUP once to lock in the code.
6. To search for the codes of your other components, repeat steps 1 through 5, but substitute the appropriate key (i.e., AUX, CBL, or VCR) for the (Auxiliary, Cable, or VCR) component you are searching for.

CHECKING THE CODES

If you have set up the Catalyst 34 using the *Searching For Your Code* procedure, you may need to find out which four-digit code is operating your equipment:

For example, to find out which code is operating your TV:

1. On the Catalyst 34, press TV once.
2. Press and hold SETUP until the LED blinks twice, then release SETUP.
3. Enter 9 - 9 - 0. The LED will blink twice.
4. To view the code for the first digit, press 1 once. Wait 3 seconds, count the LED blinks (e.g., 3 blinks = 3) and write down the number.

   NOTE: If a code digit is "0", the LED will not blink.

5. Repeat step 4 three more times for remaining digits. Use 2 for the second digit, 3 for the third digit, and 4 for the fourth digit.
6. To check for the codes of your other components, repeat steps 1 through 5, but substitute the appropriate key (i.e., AUX, CBL, or VCR) component you are checking. As before, write down each four-digit code.

RE-ASSIGNING DEVICE KEYS

The Catalyst 34 can be set up to control a second TV or VCR, or any combination of eight home entertainment components.

For example, to have the Catalyst 34 control a TV, a Cable Converter, and two VCRs, you will need to re-assign the unused AUX key to operate the second VCR as follows:

1. On the Catalyst 34, press and hold SETUP until the LED blinks twice, then release SETUP.
2. Enter 9 - 9 - 2. The LED will blink twice.
3. Press VCR once, then press AUX once.
4. The AUX key is now ready to be programmed for your second VCR. See *Programming Component Control*.

To re-assign other device keys, repeat steps 1 through 4 by substituting the key sequence from the below chart for the most popular components:

To Re-Assign Key Sequence	Perform
TV as 2nd VCR key:	SETUP - 9 - 9 - 2 - VCR - TV
TV as 2nd CBL key:	SETUP - 9 - 9 - 2 - CBL - TV
TV as 2nd AUX key:	SETUP - 9 - 9 - 2 - AUX - TV
TV back to TV:	SETUP - 9 - 9 - 2 - TV - TV
VCR as 2nd TV key:	SETUP - 9 - 9 - 2 - TV - VCR
VCR as 2nd CBL key:	SETUP - 9 - 9 - 2 - CBL - VCR
VCR as 2nd AUX key:	SETUP - 9 - 9 - 2 - AUX - VCR
VCR back to VCR:	SETUP - 9 - 9 - 2 - VCR - VCR
AUX as 2nd TV key:	SETUP - 9 - 9 - 2 - TV - AUX
AUX as 2nd VCR key:	SETUP - 9 - 9 - 2 - VCR - AUX
AUX as 2nd CBL key:	SETUP - 9 - 9 - 2 - CBL - AUX
AUX back to AUX:	SETUP - 9 - 9 - 2 - AUX - AUX

When a re-assignment is done, the LED will blink twice to confirm your choice. At that time, you will need to program the Catalyst 34 to control the new component (see *Programming Component Control*).

CHANGING VOLUME LOCK

The Catalyst 34 is set to control volume of a component through your TV while in the TV, VCR, or Cable mode. However, in the auxiliary mode (i.e., AUX), you have separate control of your audio component's volume.

If your TV is not remote controllable, or if you want volume to be controlled by a different component, you can change the Volume Lock setting to control a volume through a non-associated mode (e.g., through the cable in the TV mode).

To change Volume Lock to the another mode:

1. On the Catalyst 34, press and hold SETUP until the LED blinks twice, then release SETUP.
2. Enter 9 - 9 - 3 and then press any mode key once (except TV). The LED will blink twice.
3. Now, whenever you press VOL +, VOL –, or MUTE, volume will be controlled by your mode choice.

To change Volume Lock back to the TV mode:

1. On the Catalyst 34, press and hold SETUP until the LED blinks twice, then release SETUP.
2. Enter 9 - 9 - 3 and then press TV. The LED will blink twice.
3. Now, whenever you press VOL +, VOL –, or MUTE on the Catalyst 34, volume will be controlled by your TV.

TROUBLESHOOTING

PROBLEM:	LED does not blink when you press a key.
SOLUTION:	Replace the batteries with two (2) new AA alkaline batteries.
PROBLEM:	LED blinks when you press a key, but home entertainment component does not respond.
SOLUTION:	Make sure the Catalyst 34 is aimed at your home entertainment component and is not farther than 15 feet away.
PROBLEM:	Catalyst 34 does not control home entertainment components or commands are not working properly.
SOLUTION:	Try all listed codes for the component brands being set up. Make sure they can be operated with an infrared remote control.
PROBLEM:	TV/VCR combo does not respond properly.
SOLUTION:	Use the VCR codes for your brand. Some combo units may require both a TV code and a VCR code for full operation.
PROBLEM:	No volume on a 2nd TV.
SOLUTION:	Follow instructions in *Changing Volume Lock*.
PROBLEM:	CH+ , CH– , and LAST do not work for your RCA TV.
SOLUTION:	Due to RCA design (1983-1987), only the original remote control will operate these functions.
PROBLEM:	Changing channels does not work properly.
SOLUTION:	If original remote control required pressing ENTER to change channels, press ENTER on the Catalyst 34 after entering the channel number.
PROBLEM:	Tried "Search Method" and still could not find a working code.
SOLUTION:	Try the "Search Method" again after clearing out the device key as follows: Press and hold ENTER until red light blinks twice, then release. Next enter 9 - 9 - 2. Then press and release the device key to be cleared twice.
PROBLEM:	Remote control does not turn on Sony or Sharp TV/VCR Combo.
SOLUTION:	For power on, these products require programming TV codes. For Sony, use TV code 0000 and VCR code 0032. For Sharp, use TV code 0093 and VCR code 0048.

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MANUFACTURER'S CODES

Setup Codes for TVs:

AOC	0030, 0019
Admiral	0093
Aiko	0092
Akai	0030
Alaron	0179
Allegro	0720, 0774
Ambassador	0177
Ampro	0751
Anam	0180
Audiovox	0451, 0180, 0092, 0623
Aumark	0060
Baysonic	0180
Belcor	0019
Bell & Howell	0154, 0016
Bradford	0180
Brockwood	0019
Broksonic	0236, 0463
CXC	0180
Candle	0030, 0056
Carnivale	0030
Carver	0054
Celebrity	0000
Cineral	0451, 0092
Citizen	0060, 0030, 0056, 0039, 0092
Concerto	0056
Contec	0180
Craig	0180
Crosley	0054
Crown	0180, 0039
Curtis Mathes	0047, 0054, 0154, 0051, 0451, 0093, 0060, 0030, 0145, 0056, 0016, 0039, 0166, 0466, 1147, 1347
Daewoo	0451, 0019, 0039, 0092, 0623, 0624
Daytron	0019, 0039
Denon	0145
Dumont	0017, 0019
Dwin	0720, 0774
Electroband	0000
Emerson	0154, 0236, 0463, 0180, 0282, 0178, 0019, 0179, 0039, 0177, 0623, 0624
Envision	0030
Fisher	0154
Fujitsu	0179
Funai	0180, 0179, 0171
Futuretech	0180
GE	0047, 0051, 0451, 0093, 0282, 0178, 0021, 0135, 1147, 1347
Gibralter	0017, 0030, 0019
Go Video	0060
GoldStar	0030, 0178, 0019, 0056, 0039
Gradiente	0053, 0056
Grunpy	0180, 0179
Hallmark	0178
Harley Davidson	0179
Harman/Kardon	0054
Harvard	0180
Hitachi	0145, 0056, 0151
Infinity	0054
Inteq	0017
JBL	0054
JCB	0000
JVC	0053
KEC	0180
KTV	0180, 0030, 0039
Kenwood	0030, 0019
LG	0056
LXI	0047, 0054, 0017, 0154, 0156, 0178, 1347
Logik	0016
Luxman	0056
MGA	0150, 0030, 0178, 0019
MTC	0060, 0030, 0019, 0056
Magnavox	0054, 0030, 0179
Majestic	0016
Marantz	0054, 0030
Matsushita	0051, 0250
Megatron	0178, 0145
Memorex	0154, 0250, 0150, 0060, 0178, 0056, 0016
Midland	0047, 0017, 0051, 0039, 0135
Minutz	0021
Mitsubishi	0093, 0150, 0178, 0019
Motorola	0093
Multitech	0180
NAD	0156, 0178, 0166
NEC	0030, 0019, 0056
NTC	0092
Nikko	0047, 0017, 0154, 0156, 0030, 0178, 0092, 1347
Onwa	0180
Optimus	0154, 0250, 0166
Optonica	0093, 0165
Orion	0236, 0463, 0179
Panasonic	0047, 0054, 0154, 0156, 0051, 0250, 0093, 0165, 0150, 0060, 0053, 0178, 0145, 1347
Penney	0047, 0156, 0051, 0060, 0030, 0178, 0021, 0019, 0056, 0039, 0135, 1347
Philco	0054, 0463, 0030, 0145, 0019
Philips	0054, 0017, 0000, 0021, 0019, 0039
Pilot	0030, 0019, 0039
Pioneer	0166
Portland	0019, 0039, 0092
Prism	0051
Proscan	0047, 0030, 1347
Proton	0178, 0466
Pulsar	0017, 0019
Quasar	0051, 0250, 0165
RCA	0047, 0051, 0093, 0019, 0090, 0135, 1047, 1147, 1247, 1347
Radio Shack	0047, 0154, 0165, 0180, 0030, 0178, 0019, 0056, 0039
Realistic	0154, 0165, 0180, 0030, 0178, 0019, 0056, 0039
Runco	0017, 0030, 0603
SSS	0180, 0019
Sampo	0030, 0039
Samsung	0060, 0030, 0178, 0019, 0056, 0039
Samsux	0039
Sansei	0451
Sansui	0463
Sanyo	0154
Scimitsu	0019
Scotch	0178
Scott	0236, 0180, 0178, 0019, 0179
Sears	0047, 0054, 0154, 0156, 0178, 0179, 0056, 0171
Semivox	0180
Semp	0156
Sharp	0093, 0165, 0039
Shogun	0019
Signature	0016
Sony	0000
Soundesign	0180, 0178, 0179
Squareview	0171
Starlite	0180
Supreme	0000
Sylvania	0054, 0030
Symphonic	0171
TMK	0178, 0056, 0177
Tandy	0093
Technics	0047, 0017, 0051, 0250, 1347
Technol Ace	0179
Techwood	0051, 0056
Teknika	0054, 0180, 0150, 0060, 0019, 0179, 0056, 0016, 0039, 0092
Telefunken	0056
Toshiba	0154, 0156, 0060
Totevision	0039
Universal	0021
Vector Research	0030
Victor	0053
Vidikron	0054
Vidtech	0178, 0019
Wards	0054, 0156, 0165, 0030, 0178, 0021, 0019, 0179, 0056, 0016, 0135
White Westinghouse	0623, 0624
Yamaha	0030, 0019
Zenith	0017, 0016, 0092

Setup Codes for VCRs:

Admiral	0048
Adventura	0000
Aiko	0278
Aiwa	0037, 0000
Akai	0041
American High	0035
Asha	0240
Audiovox	0037
Beaumark	0240
Bell & Howell	0104
Broksonic	0184, 0121, 0209, 0002
CCE	0072, 0278
Calix	0037
Canon	0035
Carver	0081
Cineral	0278
Citizen	0037, 0278
Colt	0072
Craig	0037, 0047, 0240, 0072, 0271
Curtis Mathes	0060, 0035, 0041, 0162
Cybernex	0240
Daewoo	0045, 0278
Denon	0042
Dynatech	0000
Electrohome	0037
Electrophonic	0037
Emerex	0032
Emerson	0037, 0184, 0000, 0121, 0043, 0209, 0002, 0278
Fisher	0047, 0104
Fuji	0035, 0033
Funai	0000
GE	0060, 0035, 0048, 0240
Garrard	0000
Go Video	0526
GoldStar	0037, 0038
Gradiente	0000
HI-Q	0047
Harley Davidson	0000
Harman/Kardon	0081, 0038
Harwood	0072
Headquarter	0046
Hitachi	0000, 0042, 0041
JVC	0067, 0041
Jensen	0041
KEC	0037, 0278
KLH	0072
Kenwood	0067, 0041, 0038, 0046
Kodak	0035, 0037
LXI	0037
Lloyd's	0000
Logik	0072
MEI	0035
MGA	0240, 0043
MGN Technology	0240
MTC	0240, 0000
Magnasonic	0278
Magnavox	0035, 0039, 0081, 0000, 0149
Magnin	0240
Marantz	0035, 0081, 0038
Marta	0037
Matsushita	0035, 0162, 0454
Memorex	0035, 0037, 0048, 0039, 0047, 0240, 0000, 0104, 0046, 1162, 1262
Minolta	0042
Mitsubishi	0048, 0067, 0043
Motorola	0035, 0048
Multitech	0000, 0072
NAP	0035, 0037, 0039, 0042, 0033
NEC	0104, 0067, 0041, 0038
Nikko	0037
Noblex	0240
Olympus	0035
Optimus	0037, 0048, 0104, 0162, 0454, 1062, 1162, 1262
Orion	0184, 0002
Panasonic	0035, 0162, 0225, 0454, 1162
Penney	0035, 0037, 0240, 0042, 0038
Pentax	0042
Philco	0035, 0209
Philips	0035, 0081
Pilot	0037
Pioneer	0067
Profitronic	0240
Proscan	0060
Protec	0072
Pulsar	0039
Quarter	0046
Quartz	0046
Quasar	0035, 0162, 0454, 1162
RCA	0060, 0035, 0048, 0240, 0042, 0149
Radio Shack	0000
Radix	0037
Randex	0037
Realistic	0035, 0037, 0048, 0047, 0000, 0104, 0046
Runco	0039
STS	0042
Samsung	0240, 0045
Sanky	0048, 0039
Sansui	0000, 0067, 0041, 0271
Sanyo	0047, 0240, 0104, 0046
Scott	0184, 0045, 0121, 0043
Sears	0035, 0037, 0047, 0000, 0042, 0104, 0046
Semp	0045
Sharp	0048
Shintom	0072
Shogun	0240
Signature	0035
Singer	0072
Sony	0035, 0032, 0000, 0033
Sylvania	0035, 0081, 0000, 0043
Symphonic	0000
TMK	0240
Tatung	0041
Teac	0000, 0041
Technics	0060, 0035, 0039, 0162
Teknika	0035, 0037, 0000
Thomas	0000
Toshiba	0045, 0043
Totevision	0037, 0240
Unitech	0240
Vector	0045
Vector Research	0038
Video Concepts	0045
Videosonic	0240
Wards	0060, 0035, 0048, 0047, 0081, 0240, 0045, 0000, 0042, 0072, 0149
White Westinghouse	0278
XR-1000	0035, 0000, 0072
Yamaha	0041, 0038
Zenith	0039, 0000, 0033

Setup Codes for TV/VCR Combos:

American High	0035 (for TV use 0051)
Brocksonic	0002, 0294,
Colt	0072
Curtis Mathis	0035 (for TV use 0051)
Daewoo	0278
Emerson	0002, 0294, 0479
Funai	0000
GE	0035 (for TV use 0051), 0060 (for TV use 0047), 0048 (for TV use 0093), 0240
Hitachi	0035 (for TV use 0051), 0000
HQ	0000
Lloyds	0000
MGA	0240
Magnavox	0081 (for TV use 0054), 0035 (for TV use 0051), 0000
Magnin	0240
Memorex	0037, 0162 (for TV use 0250)
Mitsubishi	0048 (for TV use 0093)
Orion	0002, 0294, 0479
Panasonic	0035 (for TV use 0051), 0162 (for TV use 0250)
Penney	0035 (for TV use 0051), 0240, 0162 (for TV use 0250)
Quasar	0035 (for TV use 0051), 0162 (for TV use 0250)
RCA	0060 (for TV use 0047), 0035 (for TV use 0051), 0048 (for TV use 0093)
Sansui	0000, 0479
Sanyo	0240
Sears	0000, 0037
Sharp	0048 (for TV use 0093)
Sony	0032 (for TV use 0000)
Symphonic	0000
Zenith	0000

Setup Codes for Cable Coverters:

ABC	0003, 0008, 0014, 0017, 0007, 0011, 0013
Allegro	0153, 0315
Archer	0153, 0797
Bell & Howell	0014
Century	0153
Citizen	0153, 0315
Comtronics	0040
Contec	0019
Eastern	0002
Emerson	0797
Everquest	0015, 0040
Focus	0400
Garrard	0153
Gemini	0015
General Instrument	0476, 0276, 0011, 0810
GoldStar	0144, 0040
Goodmind	0797
Hamlin	0020, 0259, 0009, 0034
Hitachi	0011
Hytex	0007
Jasco	0015, 0153, 0315
Jerrold	0003, 0012, 0476, 0276, 0014, 0015, 0011, 0810
Magnavox	0014
Memorex	0000
Movie Time	0063
NAP	0007
NSC	0063
Oak	0019, 0007
Optimus	0021
Panasonic	0000, 0107, 0021
Paragon	0000
Philips	0153
Pioneer	0144, 0533
Popular Mechanics	0400
Proscan	0021
Pulsar	0000
Quasar	0000
RCA	0021
Radio Shack	0015, 0315, 0797, 0883
Recoton	0400
Regal	0020, 0259
Regency	0002
Rembrandt	0011
Runco	0000
SL Marx	0040
Samsung	0144, 0040
Scientific Atlanta	0008, 0477, 0017, 0877
Signal	0015, 0040
Signature	0011
Sprucer	0021
Starcom	0003, 0015
Stargate	0015, 0040, 0797
Starquest	0015
TV86	0063
Teleview	0040
Tocom	0012, 0013
Toshiba	0000
Tusa	0015
Unika	0153
United Artists	0007
Universal	0153, 0191
Viewstar	0063
Zenith	0008, 0000, 0015, 0525
Zentek	0400

Setup Codes for Satellite or DBS Receivers:

AlphaStar	0772
Echostar	0775
Expressvu	0775
General Instrument	0627, 0361, 0869
HTS	0775
Hitachi	0819
Hughes Net. Sys.	0749
JVC	0775
Jerrold	0627, 0361
Magnavox	0724, 0722
Memorex	0724
Next Level	0869
Panasonic	0701
Philips	0724, 0722
Primestar	0627, 0361
Proscan	0566
RCA	0566, 0143, 0855
Radio Shack	0566, 0869
Sony	0639
Star Choice	0869
Toshiba	0790
Uniden	0724, 0722
Zenith	0856

Setup Codes for CD Players:

Aiwa	0157, 0124
Burmester	0420
California Audio Lab	0029
Carver	0157, 0179, 0437
Curtis Mathes	0029
DKK	0000
Denon	0003, 0873
Emerson	0305
Fisher	0179, 0174
Garrard	0420, 0393
Genexxa	0032, 0305
Harman/Kardon	0157, 0173
Hitachi	0032
JVC	0072
Kenwood	0028, 0037, 0190, 0826, 0681
Krell	0157
LXI	0305
Linn	0157
MCS	0029
MTC	0420
Magnavox	0157, 0305
Marantz	0029, 0157, 0180
Mission	0157
NSM	0157
Nikko	0174
Onkyo	0101, 0868
Optimus	0000, 0032, 0179, 0305, 0037, 0420, 0145, 0468, 0437
Panasonic	0029, 0303
Parasound	0420
Philips	0157, 0626
Pioneer	0032, 0305, 0468, 0244
Proscan	0053
Proton	0157
QED	0157
Quasar	0029
RCA	0179, 0305, 0053, 0764
Realistic	0179, 0420, 0180
Rotel	0157, 0420
SAE	0157
Sansui	0157, 0305
Sanyo	0179
Scott	0305
Sears	0305
Sharp	0037, 0180, 0861
Sherwood	0180
Sony	0000, 0185, 0490
Soundesign	0145
Sylvania	0157
Tascam	0420
Teac	0420, 0393, 0174, 0180
Technics	0029, 0303
Victor	0072
Wards	0157, 0053
Yamaha	0036, 0187
Yorx	0461

Setup Codes for DVD Players:

Harman/Kardon	0582
JVC	0558
Kenwood	0534
Magnavox	0503
Mitsubishi	0521
Onkyo	0503
Optimus	0525
Panasonic	0490
Philips	0503, 0539
Pioneer	0525, 0571
Proscan	0522
RCA	0522
Samsung	0573
Sony	0533
Technics	0490
Theta Digital	0571
Toshiba	0503
Yamaha	0490, 0545
Zenith	0503, 0591

Setup Codes for Stereo Tuners or Receivers:

ADC	0531
Aiwa	0158, 0189, 0121, 0405
Capetronic	0531, 0195
Carver	0189, 0042, 0360
Casio	0195
Clarinette	0195
Curtis Mathes	0039, 0080
Denon	0004
Emerson	0424
Fisher	0042, 0219, 0360, 0801
Garrard	0463, 0424
Harman/Kardon	0110, 0189, 0891
JBL	0110
JVC	0074
Kenwood	0027, 0186, 0042
Koss	0424
LXI	0181
Linn	0189
Lloyd's	0195
MCS	0039
Magnavox	0531, 0189, 0195, 0391
Marantz	0039, 0189
Modulaire	0195
NAD	0320
Nakamichi	0097
Onkyo	0135
Optimus	0531, 0670, 0186, 0042, 0181, 0219, 0738, 0801, 1023
Panasonic	0039, 0309
Penney	0195
Philips	0189, 0391
Pioneer	0531, 0014, 0150, 0630, 0080, 1023
Proscan	0054
Quasar	0039
RCA	0531, 0054, 0360
Realistic	0195, 0181
Sansui	0189
Sanyo	0219, 0801
Sharp	0186
Sherwood	0491, 0502
Siemens	0424
Sony	0158, 0474
Soundesign	0670
Teac	0463
Technics	0039, 0309
Victor	0074
Wards	0158, 0014, 0189, 0080, 0042, 0054
Yamaha	0176, 0186
Yorx	0195
Zenith	0857

Setup Codes for Stereo Amplifiers:

Aiwa	0406
Carver	0269
Curtis Mathes	0300
Denon	0160
Harman/Kardon	0892
JVC	0331
Linn	0269
Magnavox	0269
Marantz	0269, 0892
Panasonic	0308
Philips	0269, 0892
Pioneer	0300
Sony	0220, 0689
Technics	0308
Victor	0331
Yamaha	0354

Setup Codes for DBS Audio Services:

Jerrold	0459, 0520
Scientific Atlanta	0460
Starcom	0459

Setup Codes for LD Players:

Denon	0059
Mitsubishi	0059
NAD	0059
Pioneer	0059
Sony	0193, 0201

ADDITIONAL INFORMATION

The Catalyst 34 does not have any user-serviceable parts. Opening the case, except for the battery cover, may cause permanent damage to your Catalyst 34.

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